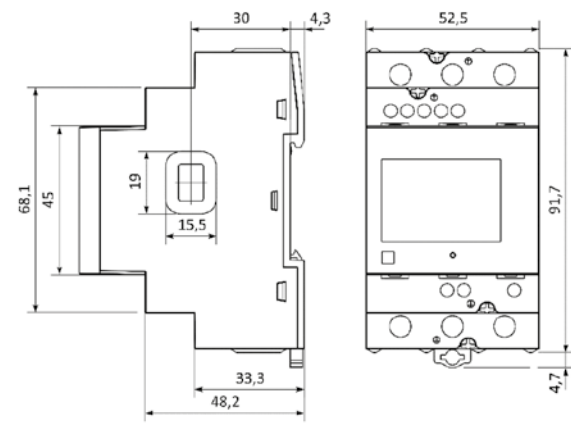




7M.38

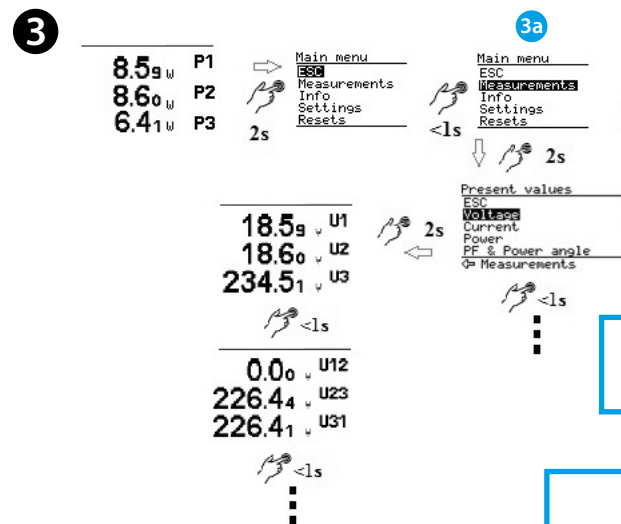
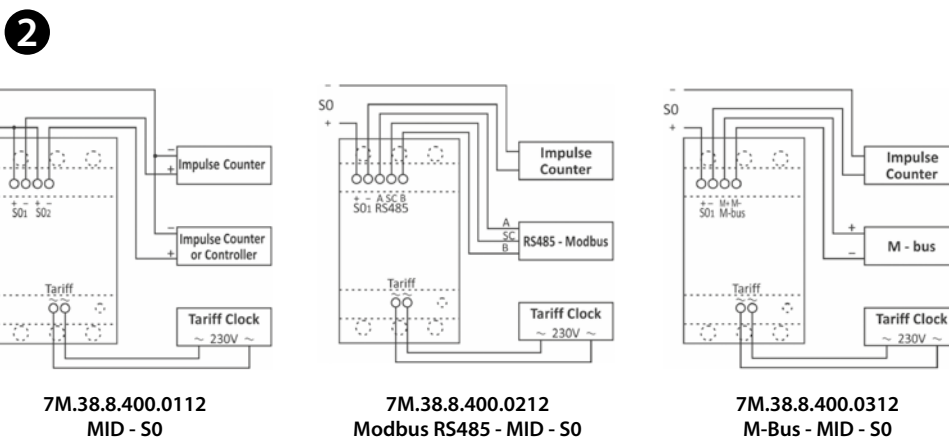
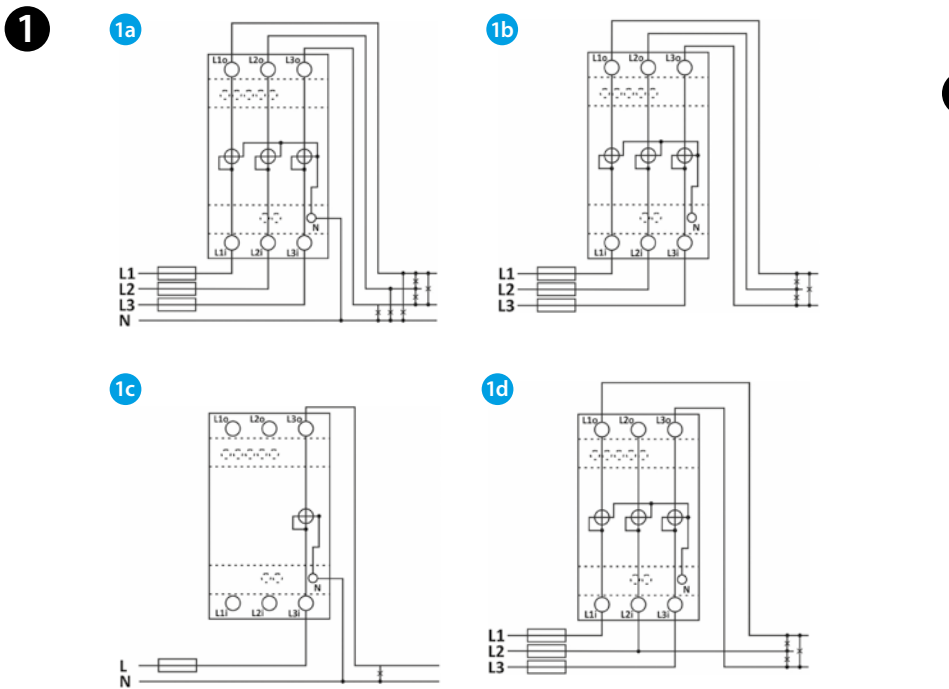


M-Bus	
Type	M-Bus
Speed	300 to 9600 bit/s, default 2400 bit/s
Primary address	0 - default

Modbus	
Type	RS485
Speed	1200 to 115200, default 19200 bit/s
Frame	8, N, 2
Protocol	Modbus RTU
Address	33 (default)

IR communication	
All settings are fixed	
Type	IR
Speed	19200
Frame	8, N, 2
Protocol	Modbus RTU
Address	33

NFC	
Protocol	ISO/IEC 14443 Part 2 and 3 compliant
Frequency range	13.56 MHz
Baudrate	106 kbps
Operating distance	15mm Max



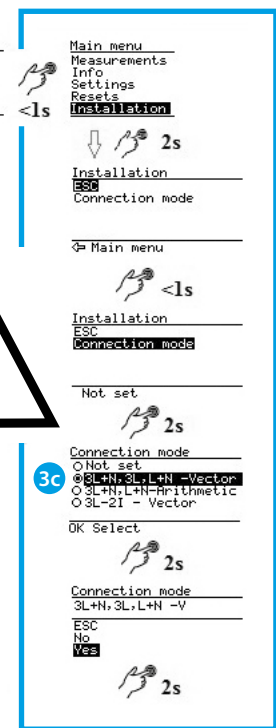
INSTALLATION NOT SET

ONCE THE CONNECTION MODE HAS BEEN SELECTED, IT CANNOT BE CHANGED

3a MEASUREMENTS
ESC
Voltage
Current
Power
PF & Power angle
Frequency
Energy
THD
Custom
Overview

3b SETTINGS
ESC
General
Date & Time
Connection
Communication
LCD
Security
Energy

INITIAL CONFIGURATION



7M.38 Multifunction bi-directional three phase MID approved energy meter for the measurement of consumed energy suitable for electrical systems with and without a neutral conductor. It can be also used as an 80 A single phase energy meter.

These energy meters are for installation by qualified personnel, on 35 mm rail within an electrical enclosure.

- 1a 3L+N: three phase with Neutral
 1b 3L: three phase without Neutral
 1c L+N: single phase 80 A. Use L3-N terminal for connection to the system
 1d 3L-2l Vector: Aron connection. Use L1 - L3 terminal for connection to the system
- 2 Connection to the communications port
- 3c If you select 3L+N, L+N Arithmetic or 3L-2l (Aron connection) Vector you need to insert the password: DCBA
 Once confirmed, the selection can no longer be changed

ELECTRICAL CONNECTION

The installation must be carried out by a qualified person. The mains voltage must be disconnected during the installation and connection of the energy meter. It is recommended to protect the supply line with suitable protective devices such as 3 x 80 A fuses or circuit breakers. An incorrect or incomplete connection to the power supply terminals can lead to malfunction or damage to the energy meter.

Technical data		
Nominal current/Maximum current	I_n/I_{max}	5/80 A
Minimum measured current		0.25 A
Supply (& monitored) voltage	U_N	3x230 V/400 V
Operating range		$(0.8...1.15)U_N$
Frequency		50/60 Hz
Accuracy class EN 50470-3 MID		B
S0 Output Specification		3.3...27 V DC/27 mA
Pulses per kWh		500 pulses 32 ± 2 ms
Maximum cable length @ 27 V/27 mA		1000 m
Main inputs - wiring size		2.5...16 mm ²
Length of removed isolation		10 mm
Screw torque		3.5 Nm - PZ2
S0 terminals interface - wiring size		0.05...2.5 mm ²
Screw torque		0.6 Nm - PZ2
Length of removed insulation		8 mm
Ambient temperature °C		-25°C...+70°C (in the absence of condensation)